

MOTD

The Newsletter of the National OSG Users Group

Jan/Feb 1988

ELECTIONS, OTHER CHANGES, AROUND

By DAVID L. KALETA (Our New President)

Okay, let's try this one more time.

The last time most of you heard from the OSG Users Group was in the May/June issue of the MOTD. At that time, I tried to put as high a priority as possible in my explanation of what had happened in the six months previous to that. If you recall, the May/June letter explained the first official announcement of Bill Turner's Presidency of the OSG Users Group, and of the OSG's new mailing address in Tampa, FL. What, you ask, has happened since then? A lot.

Bill Turner Resigns

First of all, I am glad to announce that, due to a fairly complex set of circumstances, Bill Turner had found it necessary to resign from his post as President. Bill has all resigned totally out of the picture, however, and continued to be involved in the operations of the Group. This occurrence, however, left me to fill the position of President until the OG could hold official elections. I immediately appointed Pam Lyall, most well known for his work as Chairperson and chief electronic bulletin board services, to fill the position of Vice President I vacated. For my fellow, not at the duties of such an OG President is to support individuals to fill the positions of Librarian, Editor and Director-at-Large. Initially, Carl Kessler and Steve Fawcett were called available to fill the positions of Librarian and Director-at-Large respectively. I appointed Bill Busby, who is most well known as the author of the Color Computer communications program "Win", to be the MOTD Editor during my time as President. So why hasn't the MOTD been published in such a long time? The answer is quite simple: MONEY. Because of the terrible administrative problems of 1986, the OSG Users Group had almost fallen in arrears of \$10,000, most of which was owed to Publisher of the publication of the MOTD during that time. A repayment plan was arranged with Publisher that would continue to be to publish the MOTD under the condition that we would pay for two issues (the current one and one of the past 1986) having in arrears for each one since we wished to publish. Unfortunately, without the

MOTD publishing, we are now getting the word that the OG was still operating, and membership interests and club orders stopped coming in. Obviously, this meant that the OG had no income and could therefore not afford to print. It was truly a "chicken and egg" situation.

Renewals Due

According to our records, about 50-60% of all OG members are now due for membership renewal. If even half of THOSE renew at the time the OG could be in the financial shape for some time to come. Until then, however, we have found it necessary to change the format of the MOTD to this smaller size but still a direct to you instead of publishing through Publishers, as we had done for the last number of issues. This is therefore a rather desperate plea for all current members to renew immediately. If you are unsure of it is time for you to renew, please take a look at the mailing label on this issue. If the label is marked "LAST COPY", or "EXPIRED" or anything like that, please act. Don't wait. Get your check book or credit card, and drop your membership renewal in the mail to us right away. If a significant number of people join or renew within the next few weeks, there is a very good likelihood that MOTD publishing will be able to get back on at least a bimonthly schedule, effective immediately.

Elections

Besides getting the MOTD on a step after previous schedule again, one of the most important things that I feel needs to be done is to finally hold official elections for OG officers. In my article in the May/June issue of the MOTD, I asked for volunteers for anyone willing to run for the top OG elected office. We got absolutely no response. The board knew, I convinced Pam Lyall and Kevin Darling to run for their currently held positions of Vice President and Secretary respectively, but have been unable to find anyone whatsoever to run for the position of President. Although I originally had no intention or desire to hold this position, I have agreed to run for this position at this time so that we can hold the elections without delay. Due to the lack of

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whomever to run for an office, you'll notice that most or all candidates are missing unexplained. As a last chance for those of you who simply forgot, we have included a blank space next to each office for write-in candidates. If you are aware of someone who's name is not printed, or the voter who is willing to accept one of these positions, write that person's name next to the office in question and place your vote accordingly. We'll announce the results of this election in the next issue of the MOTD.

We've Been Busy

Even with the absence of the MOTD for the past months, the OG officers have indeed been quite busy. Many plans are currently underway and, if we can count on a significant number of people to renew their OG memberships, we will hopefully be able to get the OG back on its feet at the very near future. One of the biggest complaints we've been receiving from people is that they haven't been kept aware of what's been going on. The fact is that when numbers are tight, communication is difficult. Obviously with the MOTD in publishing, things are doing pretty well. But in the absence of this type of communication from the OG, there are still ways to get some action. First, you can always write as a letter. But for the fastest response, you should make an attempt to contact us on one of the electronic mail services, such as those as CompuServe or Digitec, using your computer and modem. When doing the work

of the 80's right in the last 12 months, most of the 80's officers had been laying on eagerness to check for acceptance, and responding to them graciously. As George Caspary, CEO, and Deloitte did not buy the cost to run them as efficiently low and already related to how often they are used. Since they only cost money if you use them, I highly recommend that everyone who owns a system should sign up for ALL THREE services. Besides being able to get in touch with the 80's officers, you'll be able to talk to many more 80's officers such as yourself. Below you'll find a list of Computers, Deloitte and 80's officers for the officers of the 80's Union Group. Don't see a message when you get signed on.

A Message from the Editor

Many of us have had faith in this union group. I know I did. There were many reasons for this. I would go into them here, but I will say that I think things have changed. I am not talking about within the 80's, although there have been changes here too. No, I am talking about the world of computers in general.

In fact, I am downright excited!

We have a new "take charge" President, and an energetic crew. We all know about the beautiful productivity of Kevin and Joe, the material editors that Carl gives us, but how many of us know about the terrific job that George Deane did when he was past President? Well, George is back! Of course we still have our "partner", Dale Parker, with us as well.

How can we lose?

Q&A is quickly coming out from the "underground". We have many new staff. Q&A/80's is now available for the 80's 3-80's Level 2, especially in the Color Computer, at just about the most efficient, mature, operating system there is in the personal computing world. The 80's DOS types still think we "take" and "leave" readers.

We have new books from Kevin, Dale & Joe. Books in national circulation, and more to come.

We have great new software from the "Sugar" team as EYE Flight Simulator II, and from other like Greg Zimmerman. And plenty more to come!

Electronic Mail Addresses for Users Group Officers

	Computers	Deloitte	80's
Donald L. Kalka President	70150.521	08910PRES	
Pete Lyall Vice President	70703.4250	08910VVP	
Kevin Darling Secretary	70703.4257	08910DARLING	
Carl Bender Librarian	70706.76	08910CLB	
Bill Brady Editor	70116.207	08910CED	B.Brady

To sign up, call the secretary of your choice at the following phone #:

Computers: 1-800-698-8999 (ask for an "operator") Deloitte: 1-800-348-8905 80's: 1-800-453-8476

If need to make a change, the following table is provided for comparison:

area	300	1200	2400	sign-UP*	width
CEB	\$6.00	\$12.75	\$12.75	\$48.00	3 minutes
Deloitte	\$7.25	\$7.25	\$ —	\$48.00	2 minutes
80's	\$2.00	\$3.00	\$12.75	\$48.00	1 second

*including manual

There are other considerations when choosing a system. CEB has the same rate 30 hrs, which is good if you want access during the day. Deloitte & 80's have the same rate for 300 & 1200 baud. Deloitte offers two sign up to Windows subscribers. 80's has the lowest rate, has an "operator" system, and, most they have one of the largest networks, you are more likely to be able to access them with a local call.

Microvare deserves a bow or two for their actions in the T&E System trial on the Atari ST port of Q&A. As many of you know, I've stepped in and "plunked up the power", and received many valuable items. What many of you may not realize, is that this has resulted in 80's staff growing, they are now "on the line" as well. For the first time in a long time, they are adding operating systems directly to the public. (Kevin help there, rather than via an 80's like Tandy. Example of the change are their new support section on CEB, for M&C, and their new 80's server back.

We also have a virtual avalanche of new and exciting hardware in the 80's world!

The new Mega ST's are almost here, the new 386/486 is quite a bargain, we may see a port of Q&A for the Mac II, and maybe even one for the 386! CoCo users are in still-on line, you can now play in 80's keyboards, 80's hard disks, and multiple serial ports... the list keeps growing!

And our "mainframes", the standard powerhouses built by Peter Hogg, Harwood, GMDX, and others... the 486/5

machines, are getting faster, more powerful, and cheaper!

How many of you use programs written by Pete, Kevin, or Carl?

If not you can soon then use each time you use Q&A. Now these programs are up on the net, help them, try them back just a little. Make the job easier for them, you've seen what they have done for you in the past, give them a chance and see what you think in the future!

As you, I did prefer the newsletter on the line, the page layout program I used is Kevin's Red Cat 4. Since that's the best software I've tried to use, the way I look at it is that the Mac is just a workstation attached to my CoCo. It is the CoCo that truly inspires, then it is the real generation (Q&A, M&C, and someday I may have how to use Q&A).

The Mega-Vue system is Kevin's latest and best, imported to the Mac via Q&A, and plugged in to the M&C with only minor editing.

-Ed Brady

OS-9 USERS GROUP LIBRARY - 12/83/87

VOLUME	DISK	CODE
18 ARC Utilities	(disk #1)	1
50 ARC Utilities	(disk #2)	1
51 ARC Utilities	(disk #3)	1
52 ARC Utilities	(disk #4)	1
7 Adventure Game (object)		1
6 Adventure Game (source)		4
17 Boleyn's Programming Tool Kit		1
26 C Language Main Library		OS only
9 C Programmer's Tool Kit		1
62 Coco Graphics	(disk #1)	1
63 Coco Graphics	(disk #2)	1
12 Communications	(disk #1)	1
37 Communications (OS/2) Kernel	(disk #2)	1
39 Communications (Forward)	(disk #3)	1
44 Communications (Reverse)	(disk #4)	1
24 Data Base Management (DBS-LIS)		4
14 File Maintenance	(disk #1)	1
21 File Maintenance	(disk #2)	1
22 File Maintenance	(disk #3)	1
23 File Maintenance	(disk #4)	1
5 File Processing Utility	(disk #1)	1
13 File Processing Utility	(disk #2)	1
25 File Processing Utility	(disk #3)	1
30 File Processing Utility	(disk #4)	1
34 General Interest	(disk #2)	1
35 General Interest	(disk #3)	1
8 General Interest (data, games, source)		1
34 Hardware Characteristics	(disk #2)	1
31 Hardware Characteristics	(disk #3)	1
32 Hardware Characteristics	(disk #4)	1
34 Hardware Characteristics	(disk #4)	1
29 Languages J. Kelly (object)		1
19 Languages J. Kelly (source)		4
14 Mike & Bernice		1
32 Mike & Bernice	(disk #2)	1
9 New Member Info		1
4 Programming Utilities		1
12 Programming Utilities	(disk #2)	1
21 Programming Utilities	(disk #3)	1
26 Programming Utilities	(disk #4)	1
41 Programming Utilities	(disk #5)	1
1 Spelling Check (New Way) OS/2 & OS		4
2 Spelling Dictionary (HEX words) OS/2		5
14 System Utilities	(disk #1)	1
53 System Utilities	(disk #2)	1
54 System Utilities	(disk #3)	1
40 System Utilities	(disk #4)	1
41 System Utilities	(disk #5)	1
64 Text Processing Utility (OS/2)	(disk #1)	1
67 Text Processing Utility (disk #2)	(disk #2)	1
67 Text Processing Utility (disk #3)	(disk #3)	1
67 Text Processing Utility (OS/2 for LIS)	(disk #4)	1
8 Word Processing Utility	(disk #1)	1
12 Word Processing Utility	(disk #2)	1
12 Word Processing Utility	(disk #3)	1

NOTES:

1) A complete format consists of a TYPE plus a CODE, for example, format B4 is CoCo 50 to 40.

	Type "A" Std OS-9: (1.25")	Type "B" CoCo OS-9: (1.25")	Type "C" Amn OS-9: (1.5")
Code			
1	10:00:00	10:00:00	10:00:00
2	10:00:00	10:00:00	10:00:00
3	10:00:00	10:00:00	10:00:00
4	10:00:00	10:00:00	10:00:00
5	10:00:00	10:00:00	10:00:00
6	10:00:00	10:00:00	10:00:00

2) All of the above volumes are available in Microsoft standard, Amn 2.1 2", and TRS-80 Color Computer 66. In standard track, 40" format. Specify "TYPE B" when ordering of using a Color Computer; specify "TYPE C" if using OS-9 in an Amn 2.1 computer. Please remember that some volumes of the Library will not fit in all formats of disk. If you do not specify the format you desire, you will be shipped either Microcom standard 1.25" OS-9 format (i.e., "TYPE A"), or the format we have on file for you (as specified by you on your original membership renewal application).

3) Send orders to the main US address. Orders not mailed on the course of the developer/USER ORDER will be delayed or shipped 4 to 6 weeks. DO NOT SEND ORDERS OR INQUIRIES TO "LIBRARY".

4) The ENTIRE OS-9 US Library is presently available in a special set of disks in US format "Amn ONLY". Please note that this set contains all software that is presently contained in the US Library EXCEPT the spelling dictionary, which is OS-9 available on the included Volume #1 Library disk. This archive set is presently available in Color Computer format.

5) Order any of the above indicated volumes from the OS-9 Users Group, send \$6 for each 1.25" disk and \$8 for each 1.5" disk to the main address of the OS-9 Users Group.

Payment for disk orders may be made by check, Master Card or Visa ONLY. Please remember to include your complete mailing address, telephone number(s), a description of the disk format you want sent, of course, your payment.

OS-9 Users Group
Suite 8-233
1715 East Fowler Ave.
Tampa FL 33613

Orders will be accepted from MEMBERS ONLY.

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ARCHIVE SET (Normal) Add-on: 100%

APPROVAL	A	E	01/08
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TOWN

Note: The Active Set is not Color-Compared.

** Note: Information indicated by a *** above should be taken from the current UG Library Volumes listing, as being closed in the



Please write us if you do regularly read any of the above disks in any format other than the ones we currently offer (such as 8" disks). We may be able to put you in touch with a UK member who will do a c.c. conversion for you.

Cluster	Members
1	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
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Abstract

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COUNCIL

Finally

Hardware Computer Systems is pleased to announce that our new 48610 UniQuad single board computer is now in production and is available for shipment. Combining the features of our other UniQuad single board computer systems, the UniQuad 30s offers features found on no other single board computer:

- The UniQuad 30s utilizes a 48610 processor with 25 60k data pins.
- A basic UniQuad 30s has 512 Kbytes of 32 60k static memory along with another 256 Kbytes of 8000ns, up to 14 Mbytes of additional memory can be added by means of the built in expansion interface.
- For high speed mass storage, the UniQuad 30s has a full SCSI interface compliant with DMA data transfer.
- For massive mass storage, the UniQuad 30s supports up to 4 floppy disk drives (either 5 1/4 or 5 1/2 inch) and up to 4 hard disk drives.
- The UniQuad 30s (half) has 3 RS-232 serial ports each with baud rate programmable from 30 to 38,400 and equipped with full system controls. Each serial port utilizes an 8 pin modular "teletype" style connector.
- Also on the UniQuad 30s is a parallel port for printer connection, a battery maintained real time clock/calendar, and an internal timer for operating system

"Self" Timing

- For high speed automatic computation, the UniQuad 30s includes a module for the 48610 arithmetic co-processor.
- Measuring 10 1/4 X 12 1/4 inches, the UniQuad 30s is designed to mount in a readily available 3U or AT Unimatrix PC "cage" case.
- Packed with compatible power conversion, the UniQuad 30s utilizes the readily available power supplies that fit in "door" cases.
- Equipped with 7 expansion connectors, each "slot" can accommodate additional I/O and memory; an additional "slot" is reserved for special functions.
- The expansion board initially available, contains 2 Mbytes of memory and 4 serial ports. This system can be fully expanded to 64K Mbytes of memory and 16 serial ports.

Additional new products from Hardware Computer Systems:

- A 386 X 256 Video Graphics controller for the UniQuad 3. This controller offers either 16 levels of gray scale monochrome or 65536 color. The controller contains 4 independent windows any size of which can be selected for display at any time. Allowing screen updating at a rate limited only by processor speed, the controller depends on performance priority

due to video refresh interference. Also included in the controller board is an interface for a PC compatible serial keyboard. The controller is physically the same size as the UniQuad 3 and connects via its expansion connector.

- A FROM Programmer for UniQuad 3. This programmer is capable of making and programming EPROMs of the 27160 standard family of 256k bits from 27160 to the 27256. Featuring an integrated DC-DC converter to generate the necessary programming voltages, all setup information is under program control thus eliminating the need for external "permanently" modified equipment. The programmer is 5 1/2" X 6 1/2" and includes a DIP socket for the PROM being programmed.
- A small (2" X 2") binary clock/calendar module for both UniQuad 3 and UniQuad 2. This module interfaces via a parallel port and can be used to automatically set the date and time on system boot-up.

Hardware Computer Systems has moved recently to a new location in the heart of the Belmont West County Plaza and our new address and telephone number:

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Hay 24 at Burton, Rhinecliff, MO 65059

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We now run advertising in the OS 9 Users Group Newsletter. The newsletter will be published bi-monthly in either an 8.5" x 11" (letter) sized format, or a 11" x 14.5" (tabloid) sized format. The price for ads in the same proportion of which format the newsletter is published in, with the recognition that two color ads will only be available in the larger published in the larger format. Contact a USG affiliate before publication deadline for information about which format the ad will run will be in.

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(Special Pre-Paid Ads submitted electronically, 11 color, before March 1st 1993 will be accepted at a 50% discount)

MULTI-VUE : PREVIEW

by Kevin Darling

"User-friendly graphics interface for OS-9 Level Two programs"

Were all those waiting for Multi-View (M-V), but with little idea of what it is or how. Based on a drive, ranging through the Development File Area, and Directory, Multi-Vue supplies information to help programs get the job done.

M-V will come on a disk with modules and programs that you'll use to make a new boot disk with the L-II modules you already own. The manual will explain how to use M-V, and should also come with documentation for using the underlying C library and some talks that you'll find on the Dev File. So to get a full M-V development system going, you'll need OS-9 L-II, the Dev File, and M-V. Normal and users won't require the Dev File. There are two main parts of the M-V package. The graphics-based shell and utility programs for users.

The Window module that replaces Gwin, with enhanced calls.

GRAPHICS SHELL

The graphics shell (GShell) and its default programs that will run on what most people will consider as Multi-Vue proper. In fact, when GShell is called up using the provided Multivue program, you see the "Multi-Vue" copyright notice. The GShell screen is the main display. It is used to manipulate files, call up programs by name, start shells and use prewritten utility programs. It looks like this:

It spreads you to their right the index up the rest of the non-manualized for screen area. The name of the drive is in a tab for access the window's top.

Each file or directory is shown in an icon (with filename beneath it) in the window's window.

Directory icons look like a file folder.

Executable files looked like a book to me. Normal files look like a book with a page corner turned down. You can also define your own icons.

If you then click on a file's icon, it'll be highlighted (selected) and it's what's opened up by any "File" pull-down menu choice you can then make. If you click the icon again (or just double-click it), this what happens depends on whether it's a Directory, File or Special file (see App Note below).



If it's a Dir, then the same window has its title changed to show the new path ("DIR: C:\MSDOS" for example), and the files within the lower directory are now shown. You can go back up one level by clicking the Close Box or the window's title bar, or go straight to another disk by choosing one of the drive icons again. If there are more



files that can be shown at one time, you can click on the options menu in the right-hand bar to move within the dir.

Then you can click your way down through multiple directory levels, and make your way around a file, viewing each directory. Combined with the menu pull-down menu choices, you can fairly easily study some about the directory, and its contents, list, delete, copy, or find data on each file.

Here are the choices in each pull-down menu on GShell.

Tandy

Calc: Calculator with decimal
Clock: Analog clock with alarm
Calendar: Desk-calendar calendar with notes
Control: Control panel for color, monitor, mouse setup

These items can be saved in the "MVS SYSTEMS" which is used by M-V when it starts up.

Printer: Knobs control panel for HP
Fax: Xerox control panel for serial ports
Help: Calls up help file
Shell: Start new shell in another screen
Clipboard: Not enabled or installed

* The GCalc, GCal, GClock and Shell programs are run on a different screen. They may be moved to fit with each other, or take up a screen in themselves. Of course, you can start multiple copies and CLICK key between programs as always.

Files

Quick file used after receiving a file from

Open: Start a program (opening data for processing).

The program runs in an "editing" window which is about 1/3 of the whole screen.

List: List the file in an "editing" window.
Copy: Copy prompts for destination path.
Start: Take on file run on.
Print: Print file.



The Q at the upper left is a drop box, which you click on with the mouse to show an application. The "Q" is the Tandy Corporation emblem. It and the other icons for icons across the top (File, Dir, View) can be clicked on to bring pull-down menu choices. When taken on down the drive icons look like little horizontal drives, and have the drive name beneath each one (FDD-1). If you click on one is a large "window"

Buttons: Buttons prompts for new menu buttons. Define the file.
Quit: Quit M-V. Or can click: Close box on menu bar.

Disk

File: From menu: left is current selected drive.
New Folder: Make prompts for new directory.
Format: Format prompts for drive.
Backup: Backup prompts for drive.
Get Rawdisk: Prompts for new extension path.
Get Devices: Checkpoint new drives for hot-swapped ones then.

Full paths to sub-files may be entered.

View

Left Box: 40 column display (screen lock normal).
Right Box: 80 column display (screen lock-width lock).

ICONS AND AIF FILES

Gliffit will recognize directories and executable files in addition, it checks such

1 background picture
 2 background picture

When looking at a directory using Gliffit, "all aif" would show up using the icon from (normal icon) is "ICONS/ICONS/icon.aif". The same shows under this icon will be "File". Double-clicking this icon will execute "File" with its parameters (I can't recall... perhaps a close exit for pieces after all).

Any other files with the extension ".aif" will also show up with the same icon (but with some full name "file aif" for example). Double-clicking one of these will cause "File" to be run with the filename as the parameter. Thus if you see the "aif" extension for all other files, they'll all show up with the file icon and can be re-found you by double-clicking the file found. The same sort technique could be used with spreadsheet files and their program. Or BASIC source.

The screen type and minimum size are used to open a new window for you. A box will show up for you to move and expand (unless minimum size is full-screen). You can then see the screen to select where and how much bigger (if desired) than the default size the new window will

contain; they're then more colorful, a title layer, and can be more detailed than Mac icons (didn't think it would).

We were shown several cases that the guys at Tandy had been playing with, and I love to admit that they had done up with some very nice-looking read A pictures could for text, a horizon indicator for Flash files, a T-square and ruler for CAD, a compass just for something to flag up and others. While these were intended with M-V, I think that they'll try to update them and as time goes to Gliffit's own screen when M-V hit the streets to help new owners out.

Windint: replaces the present Gliffit. It handles all the same things (checking parameters, setting titles for screen output), but with the additional window you see in your L-til window for setting up special windows and more.

JSWeb: changes the "look" of a window as the contents go in within, framed windows are placed a pointer to a picture of information so what the title bar under menu bar, and pictures across will show. The window types:



WINDOW: No Box. View usual window type. Full-screen use.
VIEWBOX: Full Box. One pixel border, General purpose.
WINDOW: Double Box. Double border, Drag + Alt on.
VIEWBOX: Shadowed Box. Fullscreen mode.
VIEWBOX: Frame, Box with titlebar for at top.
Program:
VIEWBOX: Line (frame, scroll bar, keyboard, Program).

An example "all aif" file might be:

File: program to run (the old effect) (some box)
parameters: path to icon file within extension of memory indicator screen type minimum screen size

be on a screen. After you set up the window, the program will be started within it.

The icon file is found using the pathnames specified as a file (with the "a" file) in your current extension (or I assume this is to you too keep track of all your files instead of having them scattered all over your disk). Icons are 32 by 32 pixels in exactly 3-4

Windows have three main regions: a menu bar, a title bar, and a content region. The menu bar is where the name of a program is going, and is the basis of the window. Control regions are the menu bar and scroll bar. The title bar is the menu bar and you know which. The menu bar is placed in a fixed window is defined in the Desktop. The title bar is placed in the menu bar and window description, which has the

The SUPERBOARD, in review

by Bill Brady

With the strange discontinuance of the RS-232C Pack by Teletype, Interrupt Service could go to the CoCo have become limited. There are some out there, but several common disk controllers, etc., in with the port. LE Tech has designed a package which may be an ideal solution for many CoCo users.

Basic Data:

1-to-32 ports, expandable to 4 ports with an extension card, a computer parallel port, a battery backed up clock, and a bus-pier

Requires a Multi-Pak Adapter.

Special drivers are required, and supplied along with source, as with the LE Tech HD system.

The board is rather large, and sticks up quite a ways from slot 2 of the MPU.

Connectors are standard all the way around (SIO, S, A, Video outputs).

The clock uses two lithium cells.

The Superboard is marketed, exclusively, by OWL-Ware.



Let's get the only real negative feature of this board on the table right away: it uses 6800 SIOs instead of the hardware defaults standard 6801. This means that standard drivers like ACTAFAX will not work. Although a replacement SIO driver is included, the problem goes deeper. The 6800 has different capabilities than the 6801. This means that applications that

expect certain things from the sio will not work. The board is also programmed differently.

The first complaint on this account came from users of Wm. A special version of Wm, version 1.1a, was prepared due to the use of the 6800.

The thing I like best about the 6800 is that of Carrier Detect is not asserted, the chip won't give the system any data. This means that you must make a trade between using the full capability of your smart modem, and having a protocol killed if the carrier is dropped. The first is something you do with terminal programs, the second is important for dial-in users. You make this trade by setting the CD line on the 6800 either to the board, (or using a chip switch on your modem), or not making the line. If you leave on CD then you are "told" by your smart modem without going into sleep during the time when you are in the local mode, if a carrier fails to keep off before hanging up, the next caller gets in without a password.

The use of the 6800s, though, is not all negative. The Atari ST uses 6801 SIOs also, so, in that area, it is truly neutral.

My first reaction at the beginning of the board was that it was too cumbersome. The first is that it has simply into the MPU and is far more stable than other boards. In fact, use it as an add-on, and have your program built up on it.

The bottom of the card provides a handy place to attach quick reference info such as the switching diagram that the test is wrapped around.

In my system, I use a Microclock as a terminal to the CoCo. These days I manually boot-up with the Mac or AT running at 1000 baud. Once I load the driver back into the file from my Hard Disk, all the while I am on-line with GEM, Delphi, or CTR. I have removed the bus problem from the CoCo, and now use the Mac and its improvement as a great speaker for the CoCo.

As is to be expected from LE Tech, the quality of this board is very high.

Included in the new package, are two sections for the clock. One is a replacement section connected which is only used to set the clock. (Which, by the way, handles daylight savings. The other "times" is run at boot up from your timing file.

One could easily put together a four user business system using Superboards. I also do not hesitate to recommend this board for those working with VDI capability in their host system.

The Superboard is available from OWL-WARE, c/o two 630-A, Montrose, PA 19018, 610-345-6726.

Other News

And... Another Serial Board is Available

While I was writing this review, James Garry called from Australia with news that he is selling a 4-port board there. This board goes to the MPU and uses 6801's. You can contact James at 1544 Street St. Cheshire NSW, NSW, Australia. His International Air Mail.

James also reports that the Color Computer 3 is selling quite well "down under", and is beginning to get excellent support from InfoTec. He also notes that Apple's is quite widely used.

FHL has announced the price of their new "Turbo Hard Drive Interface", the HCAWD that replaces the Digital WD 1001-06 HardWinggy Interface. They are selling under \$100 at \$119. The WD 1001-06 is \$210. Frank says that he is offering complete "plug-and-run" 20-Meg systems for \$795.

On the "MUST HAVE" List:

The new Microware OS-9 Software Sourcebook is available from MISC - more or less than the page 1000 is.

Microware Systems Corporation, 1900 N.W. 14th Street Fort Meade, FL 32924, (313)-214-1529.

Performance Peripherals

16410, Poma Way, Milpitas, CA (914) 431-1001 has announced a 312K memory upgrade, \$129.95, for the CoCo 3 and a 20-Meg Hard Disk Controller, \$149.

REVIEWERS WANTED, we

have 1600 and 640 that needs review. Send the editor your bio, membership number, equipment configurations, and the type of review you are interested in doing. In most cases, you can keep the product.

The OS/2 International Users Group.....

The OS/2 Users Group is an international user-specific organization of approximately 100 members (and growing) devoted to exchanging and distributing information about, and public domain software for, all available versions of the OS/2 Operating system. The OS/2 Users Group is the only international group officially recognized by Microvare (the developers of OS/2) as an official user of its users.

The OS/2 Users Group periodically publishes a newsletter entitled "MOTU" which contains many useful articles, software listings, and other information helpful in keeping OS/2 computing enjoyable and rewarding. Other membership benefits include two technical help columns (by mail or electronic BBS) and significant discounts on the purchase of individual volumes of the OS/2 Users Group Public Domain Software Library. One year membership in the group also includes the individual set \$150 for computer (personal membership) and includes a subscription to the MOTU newsletter, one free disk of public domain software (chosen at all Public Library for computer members), and the right to purchase additional disks of software at a very reasonable rate. The group's public domain software library currently has over 24 individual volumes of software (consisting of almost 300 individual programs). The library is constantly growing due to the group's policy of sending out volumes (disk) from the library free to each individual program donated by a member (note, although OS/2 software is available from other sources, only IBM/MS/MSX receive the honor, and libraries maintained restricted).

To join the OS/2 Users Group, fill out the application form reproduced on page 4 for forwarding thereby not need to the OS/2 Users address.

You and Mike's Chat are accepted.

After you join, you will receive a copy of the current issue of the OS/2 Users Group newsletter ("MOTU"), and soon after that, the "master" disks: OS/2 Library Volume #1, with software of the type useful in getting you started with both OS/2 and the Users Group. Current members who renew their membership will receive a \$10 "donation credit" post card, which may be redeemed for most OS/2 products and software at any time during your membership.

Bringin' OS/2 up on the ST

by Bill Brady

Just before the Princeton Renaissance, I decided to stay home and use the money I would spend there to buy an Apple II. I wanted to get my feet wet in OS/2/MSX. Here is the story.

First, I had to decide whether to get a 3200T/6 or a 3200T/7. The 3200T/6 was not because of price, availability, and rumors of a/e incompatibility. I knew that I wanted to use a monochrome monitor, at least initially. With a turn out that the 3200T/6 has two outputs that the 3200T/7 does not. One is a color composite output. I was told that any monochrome monitor would work on this port. The 3200T/6 also has a ST output. I also knew that the 3200T/6 was appropriate to I was by looking in 200k bags. I later did not, but this monitor worked.

How, the way Atari with the STG is that you get a deal on the Atari Atari monitor. If you buy the 3200T you get a deal on the Atari. I wanted more money in money, so I bought the 3200T/6 with no monitor but a promise that I could come back and buy a disk while a few days for STG, if the composite output thing didn't work out. I also bought a Maple Leaf, a gadget that let you run Macintosh Live on the ST.

Next, I looked up my spare monochrome monitor to the color composite output. It looked better. I was COLORD computer after all. I was still hoping that all would work if I put the box into the monochrome mode. So I started digging and found a file by Marty Griesmer that gave the names & functions of the ST video ports. Turns out that to get more you ground pin 4, so I did. Guess the thing was a monochrome OK, but it turned off the composite port! Then you can get more, but you must compare. What? you say. Then how does the Atari 3200T work? Well, it's more straightforward, but not comparable to mine. I was, a 4 pin and a hardware signal from the Atari 3200T. But it was working.

So, I needed the 3200T monitor. Before heading back to the store, I had the Maple Leaf disk. Here I found out that I needed a set of old Mac OS/2 disks, but more importantly, I needed a 1 meg ST to run any of the software. I had wanted the gadget for the first place! So, while getting the 3200T monitor, bought a second type upgrade to go in it. I was

Home again, the monitor worked fine, so much software into you use the 3200T/6 resolution. But the box is very cheap any way (OS/2 after all the disk, money to later, and you will have a choice of resolution). But, the 1 meg board you want? It's in the computer. There were things in the way. Back to the store. Different guy. "of course that won't fit, it's for a 3200T. You have a 3200T/6 you need a different board". (which, it was terrible). Well, the 320 only has an ST/2 (320) to drive. So I traded the board in for an external ST/2 (320) external drive.

Now I was up and running with the 320T/6 monochrome OS/2 external drive, waiting for OS/2 to arrive from MSX. So I played with GEM. It turns out that I could have been looking at Multi-Vue on the CoCo. They are the similar. To save my time, I swapped the Microvare 3200T/6 from the CoCo and headed in to the ST with a bunch of wires (you asked). Guess what, worked! First Maple just a bad line pretty close to the Atari monitor, but sharp, correct, stable, you fine. I caught Marty in Cambridge and told him. He had assumed it wouldn't work because, among other things, the 320T/6 must work on the ST. Well, the Microvare in his first test fails... you can drive him with an Apple or an IBM PC.

I like the ST keyboard. I have trouble reading the function keys. But mine can be hard to fight a multi-pin. I hate mine, but this one's not bad.

The ST was IBM type m/20 monochrome. (hardware) - friends on the side, and a 320 to continue instead of continuing to monochrome, parallel printer. It has no Super graphics, my IBM/320 works fine in the 320 mode. You can see a small game on some OS/2, but you only have one and all just.

After only 3 working days, OS/2/MSX arrived. Well, first the bad news. It's like starting all over, way back in 1983 when the CoCo and OS/2 were 1. Actually a little worse. Initially we have 3 of just one call on the CoCo, now we have 11. With the ST, we are starting with just 1.

First, I needed a way to transfer files from the CoCo to the ST. So I called up Mike and ordered one of their new 3.5" "universal" drives. With some adjustment at the factory, I replaced one of my 3.5" drives with a 3.5" drive. I needed the 3.5" drive

writer and formatted on 80-T disk. The ST wouldn't read it. GEEK on the ST said it would pay back vice it. It was an instance of 2 v. 1. Now double, now format, but the ST still didn't like the disk. So I called Kevin Darling, the ST works the main directory of track 3 instead of track 1. Kevin whips a patch off the top of his head.

```
-L p
mode /OL noc-00 noc-10 L10-0
mdget on
1 mdset on
2 200 to 12
v
```

Now I can transfer files between the Geko and the ST. Only a minor annoyance is having to set attributes.

Problem: the protocol path is shy of some things you need help. There is no make or break. No way to do patches. No assembly, of course, but there is Basic. (Basic007).

The Documentation is well... poor. They describe things that aren't there, like MAKE, a program that is supposed to allow you to make new device descriptions. They promise that you can use this to make cashing, floppy, printer processing. I couldn't understand some of

the command windows. If I had's already been using GSK, ST have been lost, and would have been saying, except for the examples. (Quick questions for example).

The MIO port is not supported, and only the Atari hard disk works out of the box too, the specs don't, but get the new Atari JENSEN anyway, because it has the expansion port on it.

So I started to work. I knew that anybody else in the best mood want to get hold of some GSK are. That means pretty online. So, how do you get hold of you only have the protocol path? Kevin had warned me. We needed to bootstrap more into GSK. There are many inexpensive term programs available under GSK. I bought 20-Talk last time. It will allow downloading, even sometimes, but there is no way to get files from GSK to GSK. (no connectivity) So I wrote ST 800. ST is so small that a user can type it in and be up online in a few minutes. It only up and downloads text, but will allow a user to download text files.

Now for the good news! The last! Runaway from floppy is above us but as nothing from hard disk so a Geko. See: 1000-xxxxxx.

You don't NEED many of our level I will tell. The disk is an much more powerful Windows! You can copy a whole directory with the copy command.

Timote and Xcode are much easier to use. (mode 11 track-020). There is also an mode normal. Nice.

Systemer came right up on the ST, with the addition of a screen file.

Should you get an ST to use GSK? Probably not, since there is needed to "get things together", add support for the MIO port, and a graphics interface. (Windows are due for first quarter of 1993). The possible exception to this is if you want to develop applications in Geko, or use one of the many high level programs to check in the MIO notebook file. If you are one of those who want to dig in to GSK, want challenge, exposure to a high level operating system, then welcome aboard. You can always run GSK on one of the windows on your Geko.

-BILL BRADY



Ballot

Please indicate your choice for the indicated UG offices by entering a checkmark adjacent to each of the four offices below. If you wish to write in a persons name, please do so in the space provided.

PRESIDENT	Dave Kalena	OR
VICE PRESIDENT	Pat Lyall	OR
SECRETARY	Kevin Darling	OR
TREASURER	George Danner	OR

This ballot must be returned to the OS-9 Users Group contained within an envelope with the following marked on its exterior: ATTN: BALLOT, and your membership number from the label attached to this newsletter. You do not need to identify yourself on the ballot itself. This is as close to a secret ballot as we can achieve by mail.

COINTEGRATED PATCH

Announcing the availability of the official O&U Users Group "You Should The colors polyester short sleeve shirt" is imprinted with a very high quality "full color" four color silk-screened image that has to be seen to be believed (date of the April, 1987 RainbowFax is Chicago, Iowa where we were!) The shirts are available in medium for \$15.00 (U.S.) each shirt, or \$20.00 (Cdn.) if accompanied by payment of O&U Users Group membership or renewal dues. The price per shirt is also \$10.00 (U.S.) if three or more shirts are ordered at one time. Foreign to shipping in the U.S. and Canada is included in the price. Make sure you carefully specify sizes (extra S, M, L, XL) of all shirts ordered. Please allow 4 to 6 weeks for delivery.

Warning: you may also receive one O&U Users Group "flexion credit" per shirt for this shirt.

COINTEGRATED PATCH

O&U has problems with multi-byte image sequences. Kevin Darling (post-patch) has:

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